

# Gulf Oil Exploration and Production Company

R. C. Anderson  
PRODUCTION MANAGER,  
HOBBS AREA

October 5, 1984

P. O. Box 670  
Hobbs, NM 88240

**RECEIVED**

**OCT 11 1984**

**DIVISION OF OIL  
GAS & MINING**

Bureau of Land Management  
Branch of Fluid Minerals  
P.O. Box 970  
Moab, Utah 85434

Attention: Bill Martin  
Lynn Jackson

Re: Red Rock Federal - State #1  
Sec9,T28S,R22E  
San Juan County, Utah

Gentlemen:

Accompanying this letter please find three copies of an Application to Drill and three copies of the Designation of Operator. A copy of this has also been sent to the Utah Board of Oil, Gas and Mining.

It is our understanding from correspondence with Mr. Wayne Svejnoha that the APD will serve as a right-of-way application. A check for \$305.00 is enclosed for the right-of-way for 6.1 miles from the highway to our unit line.

It is our intention to schedule a construction onsite as soon as we choose a contractor. It is also our plan to begin work on this well as soon as a permit is granted.

If there are any questions or problems, please contact Lamar Ponder at the Gulf Office in Hobbs, NM (505) 393-4121. Your consideration and expedition in this matter is appreciated.

Yours very truly,



R. C. ANDERSON

TLP/ke  
Attachments

cc: TLP  
Utah State Board of Oil, Gas & Mining



A DIVISION OF GULF OIL CORPORATION

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	11 3/4"	42 #	500'	circulate est: 475 ft <sup>3</sup>
11"	8 5/8"	24 & 32 #	3200'	circulate est: 2000 ft <sup>3</sup>
7 7/8"	5 1/2"	17 & 20 #	7700'	circulate est: 2000 ft <sup>3</sup>

- F. Radius Map of Existing Wells & Roads
- G. Drilling Pad Layout/ X-section
- H. Fluid Stimulation Diagram
- I. Archeological Clearance

DIVISION OF OIL  
GAS & MINING

DATE: 10/18/84  
BY: John R. [Signature]

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

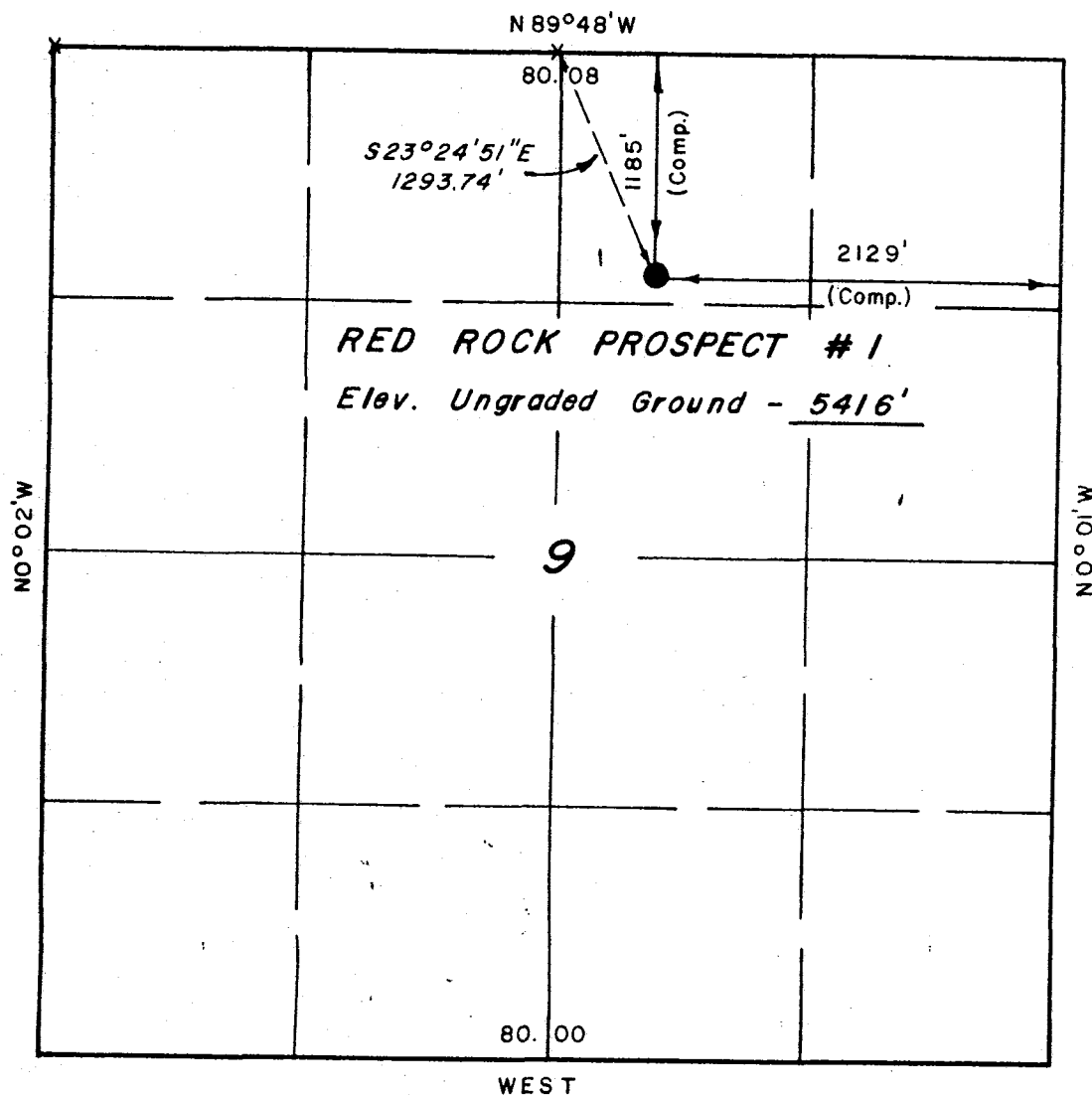
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

**T 28 S, R 22 E, S.L.B. & M.**

**PROJECT  
GULF OIL CORPORATION**

Well location, **RED ROCK PROSPECT #1**, located as shown in the NW 1/4, NE 1/4 Section 9, T 28 S, R 22 E, S.L.B. & M. San Juan County, Utah.



X = Section Corners Located



EXHIBIT "A"

CERTIFIED LAND SURVEYOR  
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3164  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	7/27/84
PARTY	R.K. J.F. S.B.	REFERENCES	GLO Plat
WEATHER	Hot	FILE	GULF

## EXHIBIT "B"

### Compliance Program

Gulf Oil Corporation  
Red Rock Federal - State Unit #1  
1185' FNL & 2129' FEL  
Section 9, T28S, R22E  
San Juan County, Utah

Lease No. 0-34018

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to ensure compliance.

#### DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Surface	-	Kayenta	6305	-	Cane Creek Marker
405	-	Wingate	6875	-	Pinkerton Trail
700	-	Chinle	6925	-	Mississippian
1275	-	Cutler	7340	-	Ouray
2960	-	Honaker Trail	7465	-	Elbert
5000	-	Salt - Paradox	7575	-	McCracken

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral-Bearing Zones Are Expected to Be Encountered:

	<u>Formation</u>	<u>Depth</u>
Expected oil zones:	Cane Creek	6300 - 6875
	Mississippian	6925 - 7340
	McCracken	7575 - 7700
Expected gas zones:		
Expected water zones:		
Expected mineral zones:	Chinle Uranium	700 - 1275
	Paradox Potash	5000 - 6305
Expected H <sub>2</sub> S:	Paradox - Cane Creek	5000 - 6875

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

BOP shall consist of equipment shown in attachment (see Exhibit C) and rated to 3000psi working pressure. The BOP shall be tested to its rated working pressure by a testing service. The annular preventer to be tested to 70% of its rating. The choke manifold and all associated equipment is also to be tested. BOP accessories include upper and lower Kellycock, Dart type IBOP for all connections in use.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure-tested before drilling casing cement plugs. The resource area will be notified 1 day in advance when pressure tests are to be conducted.

4. Casing Program and Auxiliary Equipment:

11 3/4" H-40 42# at 500' new.  
8 5/8" K-55 24-32# at 3200' new.  
5 1/2" K-55 & L80 17# at TD new.

Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area will be notified 1 day in advance when running casing strings and cement.

5. Mud Program and Circulating Medium:

This well is planned for FW spud to 500', FW/Poly to 3200 and BW/Poly to TD. The possibility of drilling some sections with air/air foam has not been eliminated. This will be decided during drilling operations as hole conditions dictate.

Blooie line will be misted to reduce fugative dust when air drilling.

6. Coring, Logging and Testing Program:

4 open hole tests are planned in bottom of hole. No cores are planned at this time. Logs are as follows:

GR/CNL/FDC TD - 0

GR/DLL/RXO TD - 3200'

Dipmeter and velocity survey TD - 6900'

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

The possibility of overpressured zones exist in the Cane Creek, but is not expected. A complete H<sub>2</sub>S package will be installed at 500' and standard measures and practices will be employed.

8. Anticipated Starting Dates and Notifications of Operations:

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be obtained and notification given before resumption of operations.

The spud date will be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report:

Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows:

4' marker w/cellar filled in with soil material.

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap or beaded-on with a welding torch:

Gulf Oil Corporation  
Red Rock Federal - State #1  
NW  $\frac{1}{4}$ , NE  $\frac{1}{4}$  Section 9, T28S, R22E  
U-34018

Other:

Operations are to be started as soon as possible after approval of APD and should last 60 - 80 days (drilling and completion) from spud.

**EXHIBIT "C"**THIRTEEN-POINT SURFACE USE PLAN1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: (See Exhibit E).
- b. Proposed route to location: (See Exhibit E).
- c. Plans for improvement and/or maintenance of existing roads: The first 3.1 miles of road from highway to existing trail will be upgraded to Class II road after Drlg. Rig moves out. During Drilling Operations, Gulf will assure that road is maintained such that adequate drainage exists and road is drivable similar to Class III standards.
- d. Other: This permit is serving as a right-of-way. Application from highway to unit line. This is approximately 6.1 miles from the highway to Northern line of Sec.9,T28S,R22E.

2. Planned Access Roads: (See Exhibit E).

- a. The maximum total disturbed width will be 25' feet.
- b. Maximum grades: 10%
- c. Turnouts: None
- d. Location (centerline): Road is centerline flagged (See Exhibit E).
- e. Drainage: If well productive, access road will be upgraded to crown and ditch.
- f. Surface materials: to be native surface with blading kept to a minimum.
- g. Other: Road will be maintained and watered and compacted to minimize soil erosion and provide drivable surface.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class II) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells: All wells known in a 1½ mile radius of this well are (shown on Exhibit F) as follows:

Abandoned wells - two - Pure Oil Flat Iran Mesw #1  
Sec.10,T28S,R33E SE¼,SE¼.

Chevron Oil Behind Red Rock #1  
Sec.32,T27S,R22E, NE¼, NE¼



4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, non-reflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Largo Red & Desert Brown.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1½ times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place-prior to any deliveries. Test for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

All water needed for drilling and completion purposes will be obtained from a water hauling company, as needed. The BLM in Moab will be notified as to which company is to supply water and where it is obtained prior to spudding. The Utah State Engineer will also be notified.

6. Source of Construction Material

No construction material will be needed. Sands and gravel for road improvements will be obtained from private sources unless application is made and amended otherwise.

7. Methods of Handling Waste Disposal

The reserve pit will be lined with 20 mil plastic.

Three sides of the reserve pit will be fenced with 4 strand barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while pit is drying.

All trash will be contained in a portable trash bin and hauled off. No burning of trash will be done.

Produced waste will be confined to a lined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities

Camp facilities will not be required.

9. Well Site Layout (See Exhibit "G")

The reserve pit will be located in the Northeast corner of the pad. A foam pit if required as hole conditions dictate will be built in the Southeast corner of the pad with an embankment on the backside.

The top 6 to 12 inches of soil material will be removed from the location and stockpiled separately on the North and West side of the pad.

Access to the pad will be from the Northwest corner.

The Southeast corner of the pad will be rounded off and a 20' vegetative buffer will be maintained between pad and the cliff.

#### 10. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

All disturbed areas will be re-contoured as near as possible to the natural contours. The stockpiled topsoil will be evenly distributed over the disturbed areas.

Seed will be broadcast or drilled at the time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. The seed mixture used will be as requested by the BLM.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

#### 11. Surface and Mineral Ownership

All surface and minerals are Federal owned.

#### 12. Other Information

Topography: The area is characterized by gently rolling sand dunes and shallow canyons and rolling hills.

Soil Characteristics: The soils consist of sandy loam with sandstone with shale outcrops. There are no distinct geological features nearby.

Flora: Blackbrush, juniper, broom snakeweed, four-wing saltbrush, prickly pear cactus, grasses and sego lily constitute the largest percentage of flora in the area.

Fauna: Antelope, deer, coyote, foxes, porcupine and jackrabbit make up most of the wildlife in the area.

Archeological and historical sites: Six archeological sites and 3 isolated artifacts were encountered along the access route to the location. (See Summary Report Enclosed) A complete report has been sent to the BLM by Archeological Consultants. The sites will be dealt with as recommended in the report.

13. Lessee's or Operator's Representative and CertificationRepresentative:

T. L. Ponder and G. S. Salvo  
Drilling Engineers NW Area

&

F. R. Matthews  
Area Drilling Superintendant NW Area

Gulf Oil Corporation  
P. O. Box 670  
Hobbs, NM 88240

ph. (505) 393-4121

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Gulf Oil Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U. S. C. 1001 for filing of a false statement.

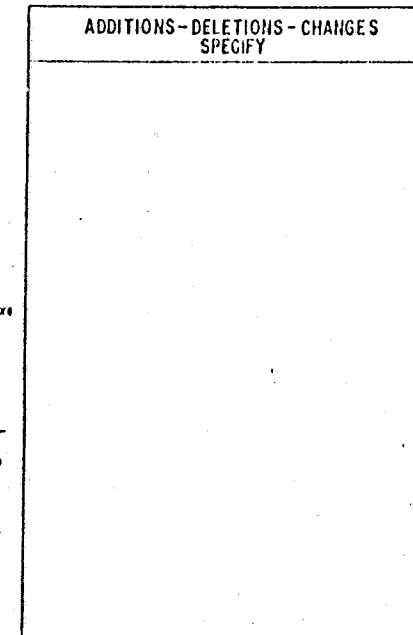
10-8-84

Date

R. C. Anderson

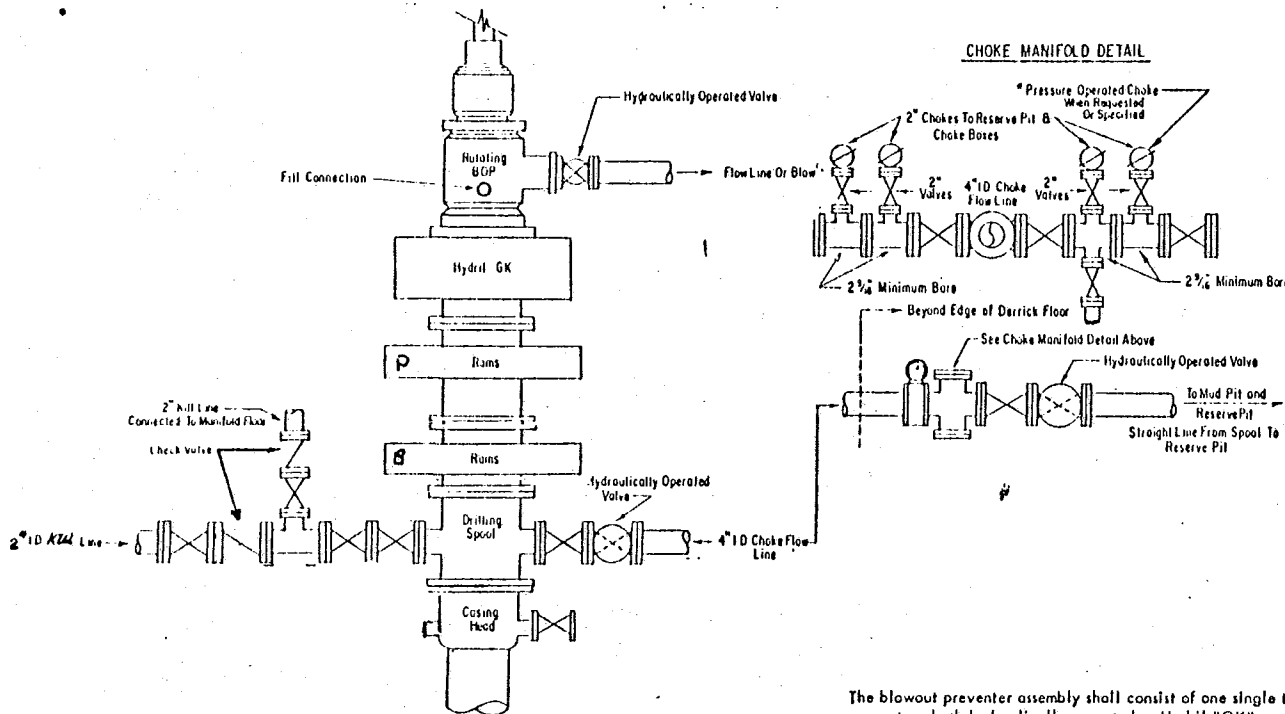
R. C. Anderson  
Area Manager NW Area

3000 psi AIR DRILLING BOP NORTHWEST AREA



ADDITIONS-DELETIONS-CHANGES  
SPECIFY

**EXHIBIT "D" 1 of 2**



3000# PSI WORKING PRESSURE  
BLOWOUT PREVENTER HOOK-UP

The blowout preventer assembly shall consist of one single type blind ram preventer and one single type pipe ram preventer, both hydraulically operated; a Hydril "GK" preventer; a rotating blowout preventer; valves; chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and 4-inch I.D. relief line, except when air or gas drilling. All preventer connections are to be open-face flanged.

Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: (1) Multiple pumps, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the nitrogen precharge pressure to its rated pressure within 2 minutes. Also, the pumps are to be connected to the precharge of nitrogen of not less than 750 PSI and connected so as to receive the aforementioned fluid charge. With or must be sufficient to close all the pressure-operated devices simultaneously within 12 seconds; after closure, accumulator fluid volume at least 50 percent of the original. (3) When requested, an additional source of ere shall be additional pumps operated by separate power and equal in performance capabilities.

hydraulic operating system which is to be a closed system. (2) Accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive the aforementioned fluid charge. With the charging pumps shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within 19 seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least 50 percent of the original. (3) When requested, an additional source of power, remote and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and equal in performance capabilities.

The closing manifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydril preventer. When requested, a second pressure reducer shall be available to limit operating fluid pressures to ram preventers. Gulf Legion No. 38 hydraulic oil, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

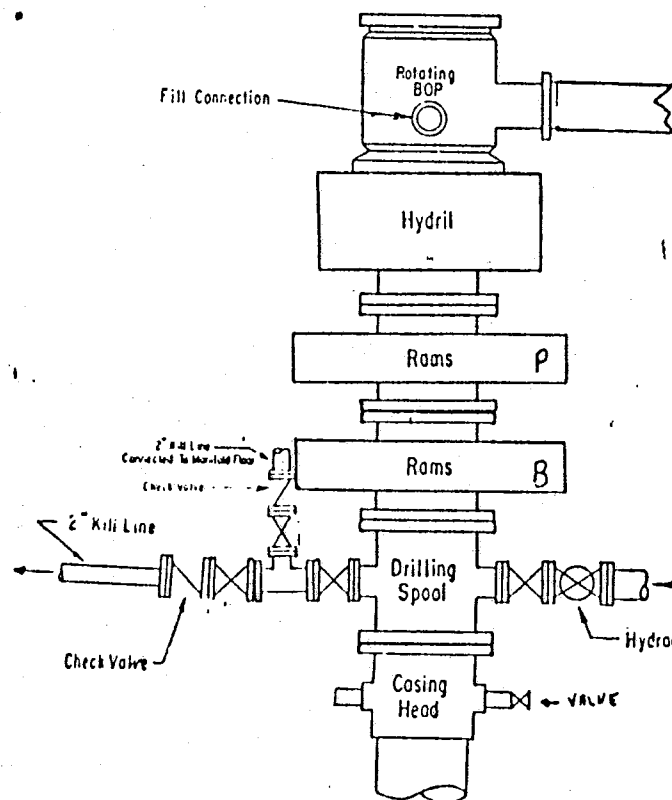
The choke manifold, choke flow line, relief line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line, relief line, and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. If deemed necessary, walkways and stairways shall be erected in and around the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves and relief line valves connected to the drilling spool and all run type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.

\* To include derrick floor mounted controls.



Hydraulic Operated Choke <sup>WILL</sup> Can Be Installed On Off Side If Desired.  
The Downer Will Be Installed On All Choke Lines, Separator, Header  
 & Vent Lines, Etc.  
All Lines Should Utilize A "T" With A Ball Plug To Change The  
Direction Of Flow  
All Lines Should Be As Straight As Possible.  
Four Chokes Are Standard & Six Chokes Are Recommended To Be Used  
On Manifolds.

3000 PSI WORKING  
PRESSURE BLOWOUT PREVENTER  
& CHOKE MANIFOLD HOOK-UP



2000-3000 PSI WORKING PRESSURE  
BOP HOOK-UP

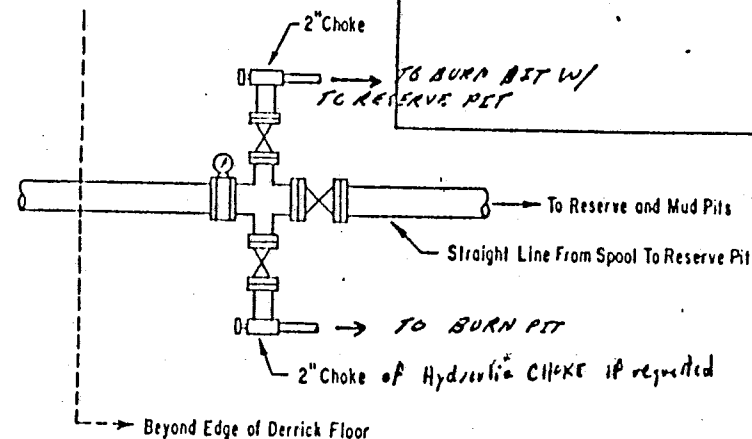
SPECIFY WORKING PRESSURE

labeled, with control handles to indicate open and closed positions. A pressure reducer and regulator must be provided for operating the Hydril preventer. When requested, a second pressure reducer shall be available to limit operating fluid pressures to ram preventers. Gulf Legion No. 38 hydraulic oil, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, the choke flow line, the choke lines and the relief lines are to be supported by metal stands and adequately anchored. The choke flow line, relief lines and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access shall be maintained to the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves and valves of the relief lines connected to the drilling spools and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves shall be equipped with handles.

# ADDITIONS - DELETIONS - CHANGES SPECIFY

NOTE: "When Requested" means at any time the Gulf Supervisor can, may, or will require the equipment to be installed during operations.



The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated; a Hydril preventer; valves; chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer shall be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. The ram preventers may be two singles or a double type. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and to the kill line. The substructure height shall be sufficient to install a rotating blowout preventer.

Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: (1) multiple pumps, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the nitrogen precharge pressure to its rated pressure within 2 minutes. Also, the pumps are to be connected to the hydraulic operating system which is to be a closed system. (2) accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive the aforementioned fluid charge. With the charging pumps shut down, the pressurized fluid volume stored in the accumulators shall be sufficient to close all the pressure-operated devices simultaneously within 19 seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least 50 percent of the original. When requested, either an additional source of power, remote and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and equal in performance capabilities.

# EXHIBIT "E"

GULF OIL CORP.  
RED ROCK PROSPECT #1  
PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, Improved surface  
Unimproved road fair or dry weather

UTAH

QUADRANGLE LOCATION

EXISTING ROAD NEEDS DEGRADED

PROPOSED ACCESS ROAD

PROPOSED LOCATION  
RED ROCK PROSPECT #1

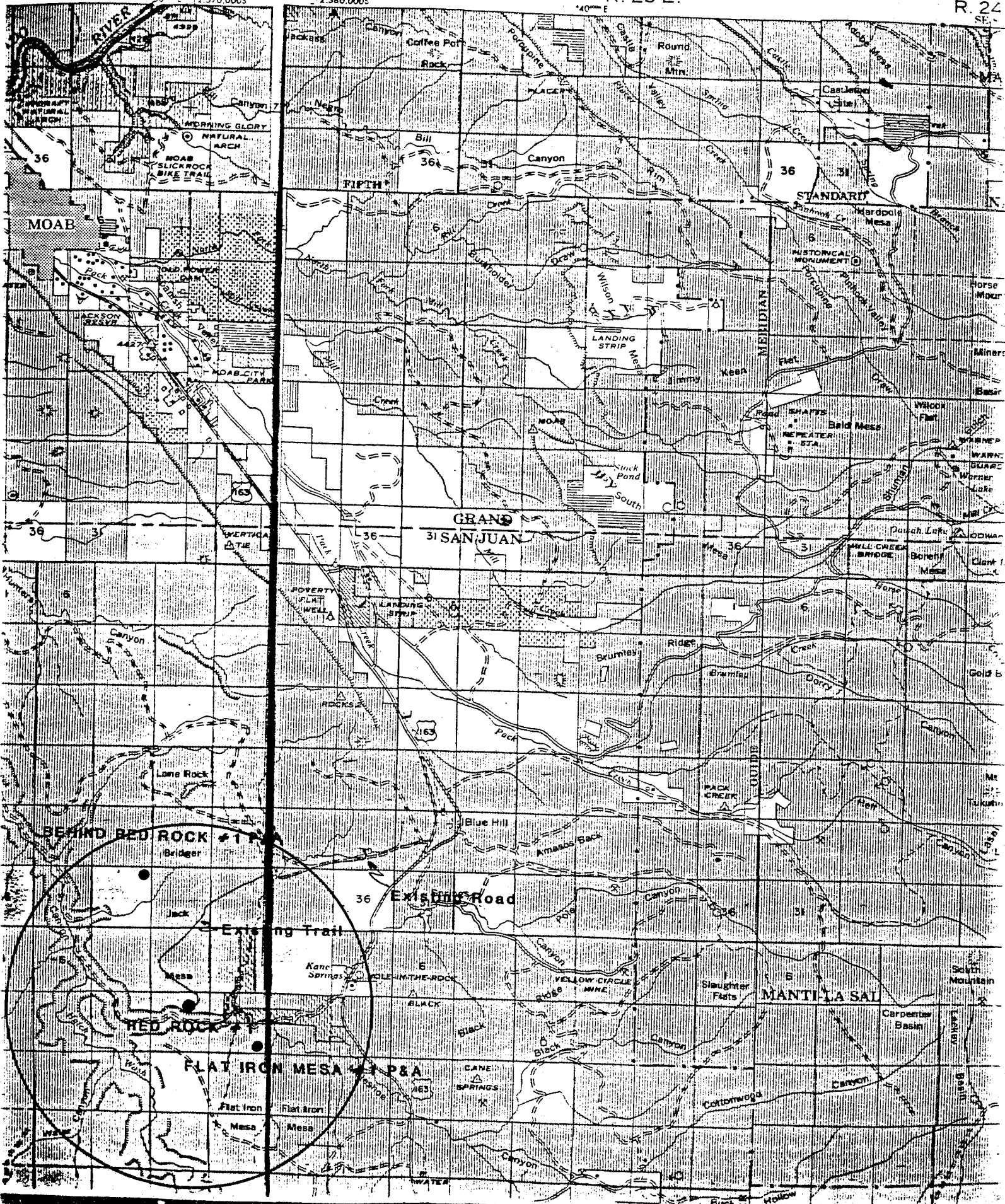


R. 22 E.

R. 22 E.

R. 23 E.

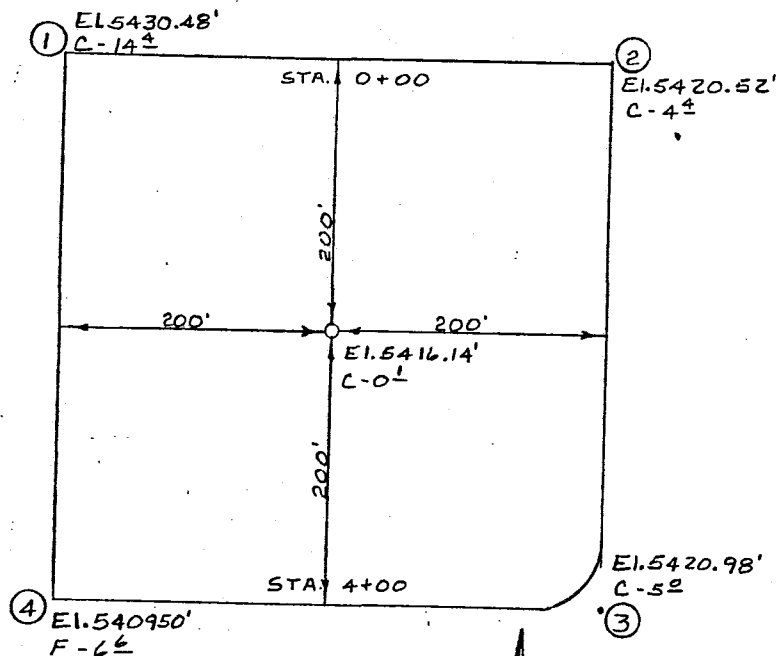
R. 24



RP 300'

RP 250'

EXHIBIT "G"

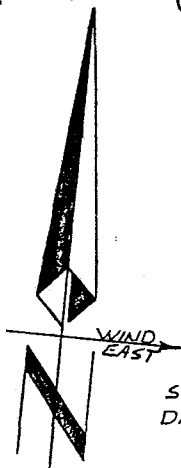


SOILS LITHOLOGY

- NO SCALE -



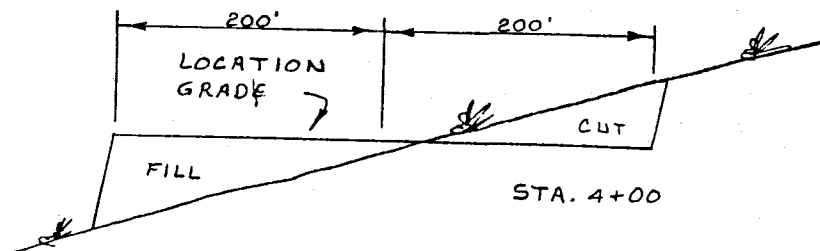
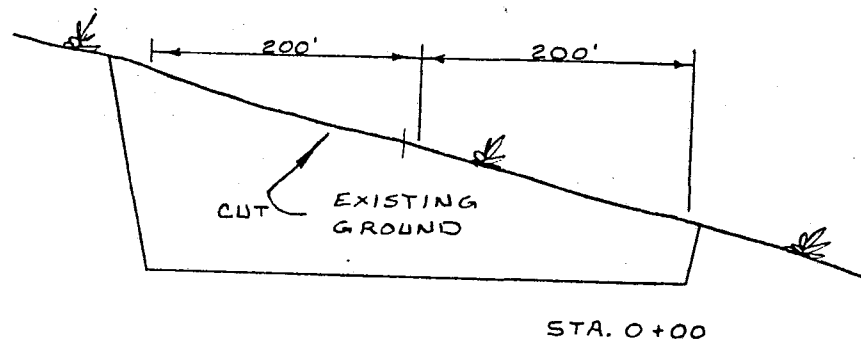
LIGHT BROWN  
SANDY CLAY



SCALE - 1" = 100'  
DATE - 7/27/84

1" = 10'  
1" = 100'  
SCALES

# GULF OIL CORP. RED ROCK PROSPECT #1

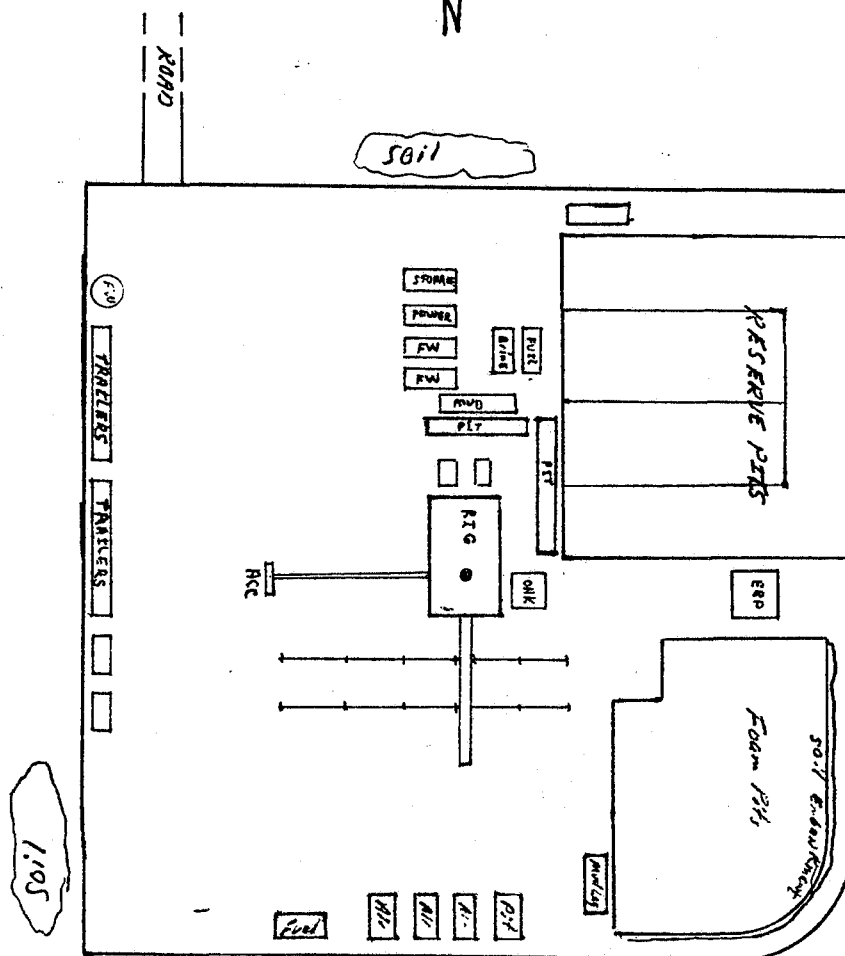


## APPROX. YARDAGES

CW. YDS. CUT - 30,366

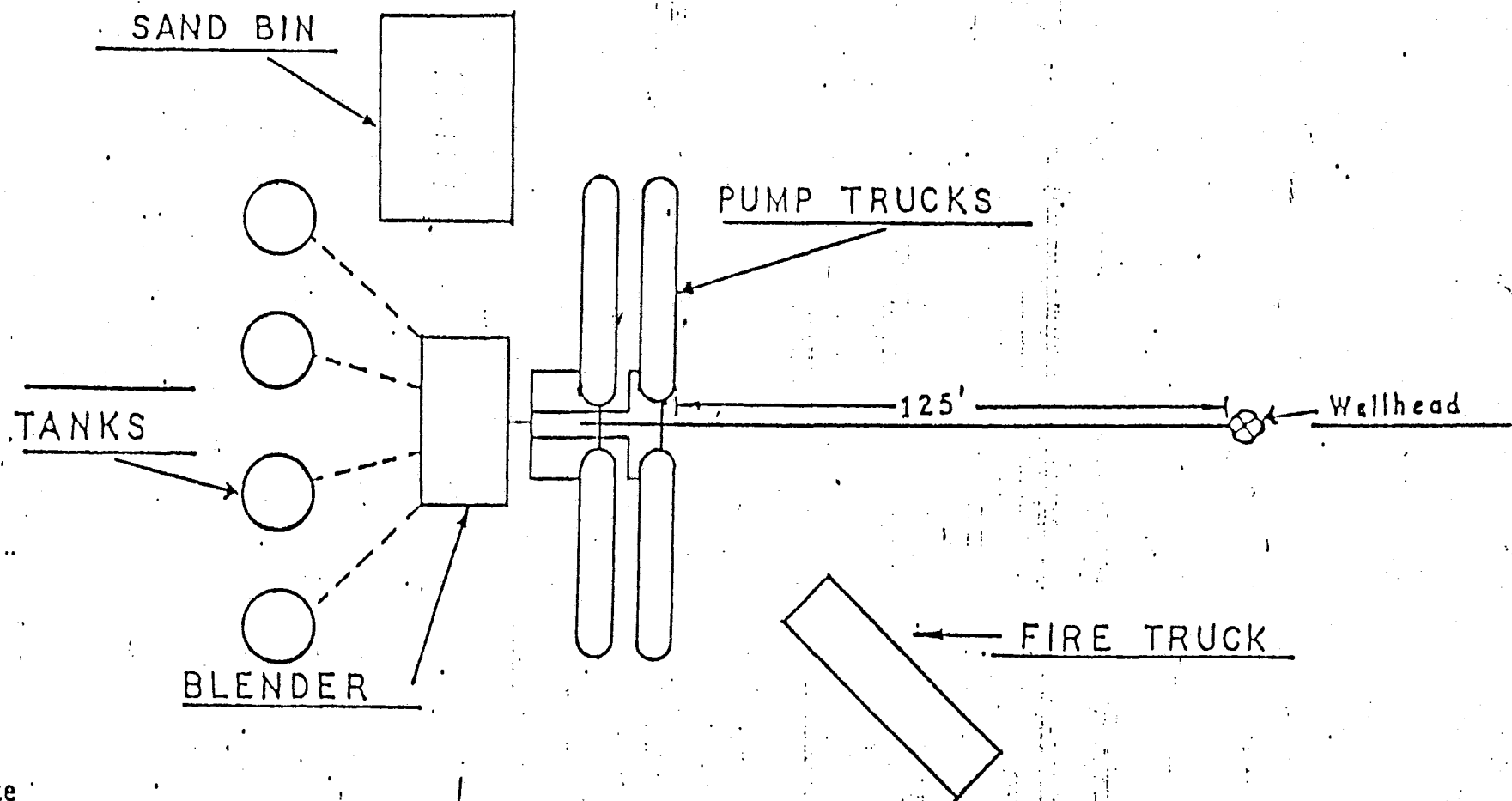
CW. YDS. FILL - 2,805

↑  
N



Scale 1" = 100'

# FLUID STIMULATION



\*Note

When hydrocarbons are used as a  
fracing agent, storage tanks will  
be a minimum of 75' from all other  
equipment.

EXHIBIT "H"

U.S.  
Department of the Interior  
Bureau of Land Management  
Utah State Office

Summary Report of  
Inspection for Cultural Resources

Exhibit "T"

BLM Report

1 2 3 4 5 6 7 8 9 10

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Comments:

Report Title GULF OIL FIELD RICK PROSPECT #1 A.C. # 358

Development Company Gulf Oil Exploration and Production Company, Hobbs, New Mexico

Report Date 1/01/1984

4. Antiquities Permit No. 82-UT-306

Responsible Institution ARCHAEOLOGICAL CONSULTANTS County San Juan

Fieldwork Location: TWN 28S Range 22E Section(s) 4 9

TWN 27S Range 22E Section(s) 3 3 3 4

Resource Area GR TWN 94 Range 98 Section(s) 102 103 104 105 106 107 108 109

PO=PONY EXPRESS, BR=BEAR RIVER, PR=PRICE RIVER, WS=WARM SPRINGS  
BC=BOOK CLIFFS, HR=HOUSE RANGE, SE=SEVIER RIVER  
HM=HENRY MOUNTAINS, BE=BEAVER RIVER, DX=DIXIE  
KA=KANAB, ES=ESCALANTE, SJ=SAN JUAN, GR=GRAND  
SR=SAN RAFAEL, DM=DIAMOND MOUNTAIN

Fill in spaces 65, 69, 81, 85, 97, 101 Only if:  
V=Vernal Meridian  
H=Half Township

2. Description of Examination Procedures:

An area 670' X 670' around the proposed location, areas extending 25 feet on both sides of the existing road and trail, and areas extending 50 feet on both sides of the flagged centerline of new road were examined. The area around the location was walked by the archaeologist in a series of parallel transects 10-12m apart. The access was walked in a zig-zag transect crossing the flagged centerline or road at 10-12m intervals. Adjacent areas were given a cursory inspection.

9. Linear Miles Surveyed and/or 112 117

Definable Acres Surveyed and/or 3 9 1 5 1 123

\* Legally Undefinable Acres Surveyed 124 129

10. Inventory Type I 130

R=Reconnaissance  
I=Intensive  
S=Statistical Sample

(\*A parcel hard to cadastrally locate i.e., center of section)

1. Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 6 131 135

Six archaeological sites (42SA16626, 42SA16627, 42SA16628, 42SA16629, 42SA16630, & 42SA16631) and 3 isolated artifacts were encountered. The sites are all lithic scatters consisting of primarily chalcedony flakes and, in some cases, nodules. 42SA16626 has 1 feature which may be a hearth, although trowel probe yielded no evidence of charcoal or ash. The sites are generally located on sand dunes on top of bedrock. Thus, depth of cultural deposits was extremely difficult to determine.

4. Actual/Potential National Register Properties Affected:

None

4.5 Literature Search: 8/7/84: Moab District Office; 8/6/84 & 8/14/84: Division of State History

5. Conclusion/Recommendations:

The isolated artifacts lie outside the project area and will not be affected. All the sites except 42SA16626 will be avoided. Site 42SA16626, bisected by the road, has been flagged. It is recommended that no blading be done in the flagged area and that construction be monitored in the vicinity of sites 42SA16627, 42SA16628, 42SA16629, 42SA16630 & 42SA16631 due to proximity of sites to construction and to insure that the rerouting of segment of roads to avoid the sites is enforced.

6. Signature and Title of Institutional Officer Responsible

John A. [Signature]  
Director (10/2/84)

Note: Include only requested information in numbered spaces.

\* For extra locals use additional 8100-3 forms.



# ARCHAEOLOGICAL CONSULTANTS

ROBERT W. BIGGS  
303/259-1930

2803 MESA AVENUE  
DURANGO, CO 81301

Antiquities Permit No. 82-UT-306  
Division of State History Permit Nos. 84-U-7-22b and 25b  
A.C. Project Report No. 358

## MEMORANDUM

**Date:** October 1, 1984

**To:** Bruce Louthan, Moab District Archaeologist, Bureau of Land Management, Post Office Box 970, Moab, Utah 84535  
Frank Matthews, Gulf Oil Exploration and Production Company, Post Office Box 670, Hobbs, New Mexico 88240

**From:** Robert W. Biggs, Archaeological Consultants, 2803 Mesa Drive, Durango, Colorado 81301

**Subject:** Cultural Resource Survey for Gulf Oil Exploration and Production Company's Proposed Red Rock Prospect No. 1 Well Site and Access Road, San Juan County, Utah

Enclosed are the reports for the cultural resource survey on the above project conducted August 7, 1984. The surveyed areas are situated on Federally owned lands under the jurisdiction of the Moab District of the Bureau of Land Management. Three isolated artifacts and six archaeological sites were encountered in conjunction with this survey.

The isolated artifacts lie outside the construction area and will not be affected. Archaeological site 42SA16626 is bisected by existing road which lies in part on bedrock. It is recommended that the access route remain as proposed but that no blading be done in the vicinity of site 42SA16626.

Sites 42SA16627, 42SA16628, 42SA16629, 42SA16630, and 42SA16631 will be avoided. However, due to the proximity of the sites to proposed construction areas, it is recommended that a qualified archaeologist monitor construction activities in the vicinity of these sites.

I hereby certify that the field work and report preparation were carried out by a qualified archaeologist under my direction and, to the best of my knowledge, meet the applicable Historic Preservation Laws and FEO 11593.

Robert W. Biggs  
Director

cc:

Grand Resource Area Office, Bureau of Land Management  
Richard Fike, State Archaeologist, Bureau of Land Management  
Utah Division of State History

SUPERVISOR, OIL AND GAS OPERATIONS:

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Utah State Office  
SERIAL No.: U-34018

and hereby designates

NAME: Gulf Oil Corporation  
ADDRESS: P. O. Box 1150  
Midland, Texas 79702

as his operator and agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 28 South, Range 22 East, SLM  
Section 9: N $\frac{1}{2}$   
Containing 320.00 acres, more or less  
San Juan County, Utah

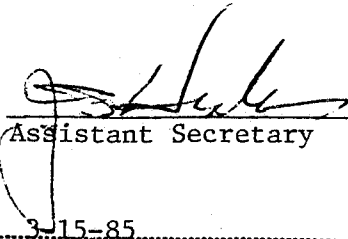

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

ATTEST:

CELSIUS ENERGY COMPANY

  
Assistant Secretary  
W. F. Oline (Signature of lessee)  
Vice President Exploration

3-15-85  
(Date)

P. O. Box 11070 - Salt Lake City, Utah 84147  
(Address)

OPERATOR Gulf Oil Corp DATE 10-12-84  
WELL NAME Red Rock Unit #1  
SEC NWNE 9 T 28S R 22E COUNTY San Juan

43-037-31088  
API NUMBER

Lease  
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☐☐

NID

☐

PI

☐☐

MAP

☐☐

PROCESSING COMMENTS:

Unit well (new)  
Need water permit

APPROVAL LETTER:

SPACING:

☒

A-3

Red Rock Unit  
UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE: STIPULATIONS

1- Water



☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☒ UNIT \_\_\_\_\_

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 18, 1984

Gulf Oil Corporation  
P. O. Box 670  
Hobbs, New Mexico 88240

Gentlemen:

Re: Well No. Red Rock Unit #1 - NW NE Sec. 9, T. 28S, R. 22E  
1185' FNL, 2129' FEL - San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

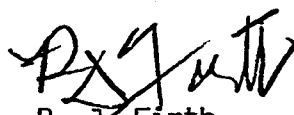
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
Gulf Oil Corporation  
Well No. Red Rock Unit #1  
October 18, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31088.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals

REC'D MDO OCT 11 1984

SUBMIT IN DUPLICATE  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Gulf Oil Corporation

## 3. ADDRESS OF OPERATOR

P. O. Box 670 Hobbs, NM 88240

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1185' FNL &amp; 2129' FEL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

13 miles SSE of Moab, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1185' north

## 16. NO. OF ACRES IN LEASE

680

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

none

## 19. PROPOSED DEPTH

7700

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GLE: 5416'

## 22. APPROX. DATE WORK WILL START\*

ASAP

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	11 3/4"	42 #	500'	circulate est: 475 ft <sup>3</sup>
11"	8 5/8"	24 & 32 #	3200'	circulate est: 2000 ft <sup>3</sup>
7 7/8"	5 1/2"	17 & 20 #	7700'	circulate est: 2000 ft <sup>3</sup>

## Attachments;

- A. Location & Elevation Plat
- B. Compliance Program
- C. Multipoint Requirements for APD
- D. Blowout Preventer Diagram
- E. Access Road Map

- F. Radius Map of Existing Wells & Roads
- G. Drilling Pad Layout/ X-section
- H. Fluid Stimulation Diagram
- I. Archeological Clearance

RECEIVED

NOV 05 1984

DIVISION OF OIL  
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

21.

SIGNED

*L. C. Under*

TITLE

Area Manager

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

/s/ GENE NODINE

TITLE

DISTRICT MANAGER

DATE

31 OCT 1984

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF  
GAS IS SUBJECT OF NTL 4-A CONDITIONS OF APPROVAL ATTACHED  
DATED 1/1/80

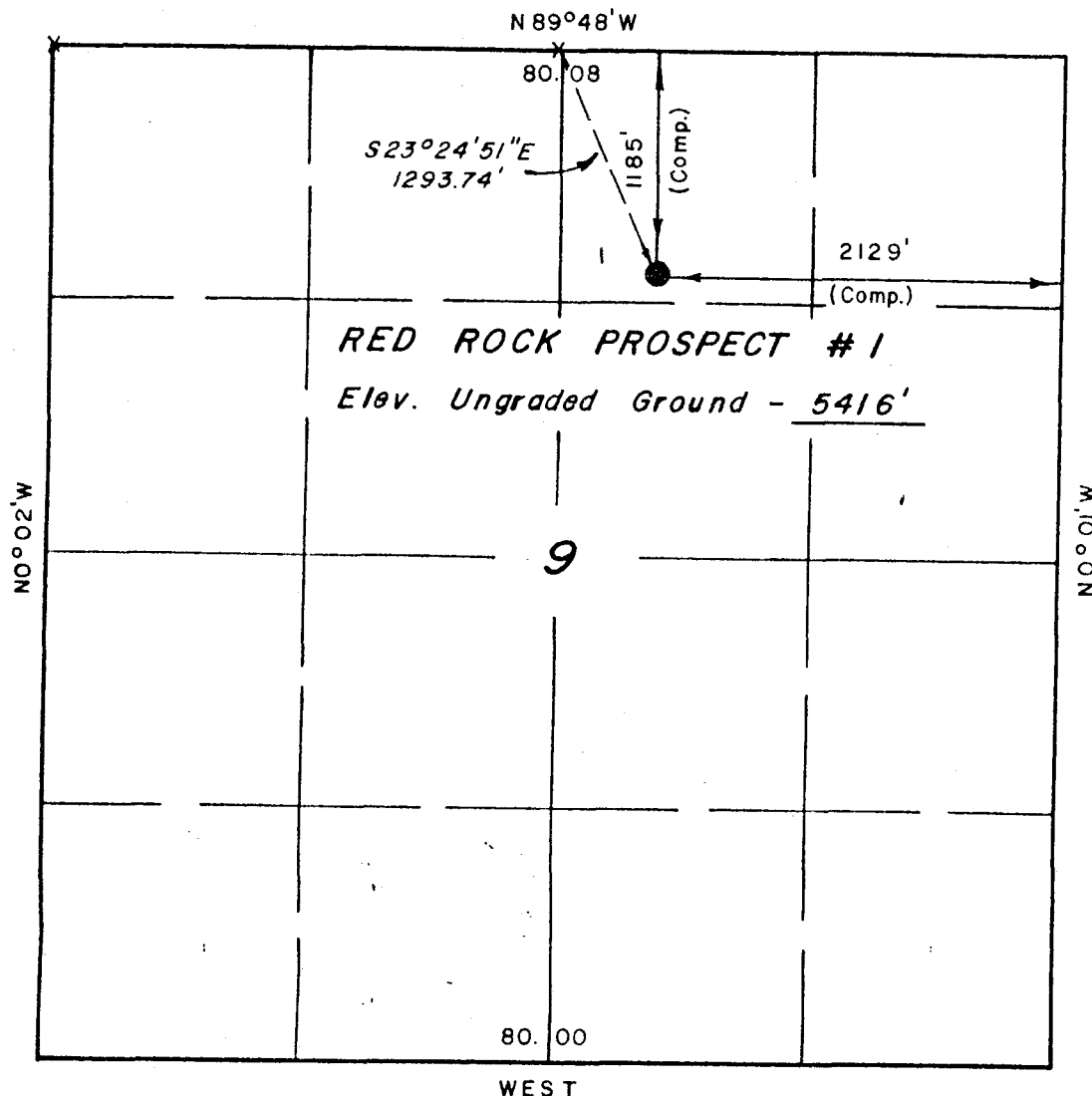
\*See Instructions On Reverse Side

SUBJECT TO RIGHT OF WAY  
APPROVAL

T 28 S, R 22 E, S.L.B. & M.

PROJECT  
GULF OIL CORPORATION

Well location, *RED ROCK PROSPECT #1*, located as shown in the NW 1/4, NE 1/4 Section 9, T 28 S, R 22 E, S.L.B. & M. San Juan County, Utah.



X = Section Corners Located



EXHIBIT "A"

CERTIFICATE  
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7/27/84
PARTY R.K. J.F. S.B.	REFERENCES GLO Plat
WEATHER Hot	FILE GULF

## Conditions of Approval

Gulf Oil Corp.  
Red Rock Fed 1  
Sec. 9, T.28S., R.22E.  
San Juan County, Utah  
U-34018

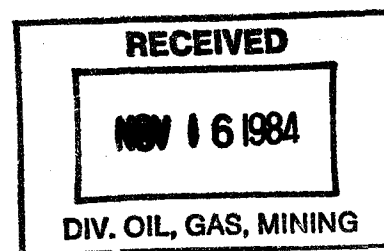
1. If the well is a dry hole, the only portion of access that will be rehabilitated will be the last mile (drill pad to existing road-trail).
2. The complete H<sub>2</sub>S package will minimally be comprised of an operational detection system, warning system ie: flags, warning sign, windsock, indentified escape routes and briefing areas. A contingency plan will be present on location at 500' drilling depth. A copy will be forwarded to the BLM for reviewal prior to implementation.
3. Maximum disturbance for the first 3.1 miles of access will be extended to 30 feet to allow for additional borrow material to bring road up to Class III (resource road) Standards.

# Gulf Oil Exploration and Production Company

R. C. Anderson  
PRODUCTION MANAGER,  
HOBBS AREA

November 12, 1984

P. O. Box 670  
Hobbs, NM 88240



State of Utah  
Natural Resources  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: R. J. Firth

Re: Gulf Oil Corporations  
Red Rock Unit #1  
San Juan County, Utah  
API # 43-037-31088

Dear Mr. Firth:

Gulf Oil Corporation Plans to haul fresh water for drilling purposes from the city shop in Moab to the location. LaSal Trucking, Inc. of Moab will be the transporters.

Attached is a copy of a note from the city of Moab and a copy of the application to appropriate water regarding the above mentioned well.

Gulf plans to start dirtwork operations on November 14, 1984. Dirtwork is expected to take approximately 14 days. Actual drilling operations will commence following dirtwork.

If further information is required, please advise this office.

Yours very truly,

A handwritten signature in cursive script that reads "R. C. Anderson".

R. C. ANDERSON

GAB/ke



A DIVISION OF GULF OIL CORPORATION

November 8, 1984

To Whom this may concern;

This is to inform you that La Sal Trucking Inc. will  
be hauling water from the City Shop to Gulf Red Rock Project # 1.

*Shirley Lammert*  
City of Moab



APPLICATION TO APPROPRIATE WATER  
STATE OF UTAH

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒
2. The name of the applicant is La Sal Trucking Inc.
3. The Post Office address of the applicant is P. O. Box 879 Moab, Utah 84532
4. The quantity of water to be appropriated                      second-feet and/or Approx. 15,000 Bbls acre-feet
5. The water is to be used for Drilling from December 1 to February 1  
(Major Purpose) (Month) (Day) (Month) (Day)
- other use period                      from                      to                       
(Minor Purpose) (Month) (Day) (Month) (Day)
- and stored each year (if stored) from                      to                       
(Month) (Day) (Month) (Day)
6. The drainage area to which the direct source of supply belongs is                       
(Leave Blank)
7. The direct source of supply is\* Moab City  
(Name of stream or other source)

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in \_\_\_\_\_ County, situated at a point\*

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of Tank Trucks Loading from City

10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
\_\_\_\_\_  
\_\_\_\_\_

12. Is the land owned by the applicant? Yes \_\_\_\_\_ No X If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No \_\_\_\_\_  
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_

15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at  
the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_

16. If application is for stockwatering purposes, number and kind of stock watered \_\_\_\_\_

17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_

18. If application is for municipal purposes, name of municipality \_\_\_\_\_

19. If application is for other uses, include general description of proposed uses Drilling and  
Exploration

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. NE Qtr., Sec. 9 Township 28S Range 12E

21. The use of water as set forth in this application will consume 15,000 Bbls second-feet and/or acre  
feet of water and \_\_\_\_\_ second feet and/ or acre feet will be returned to the natural  
stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Water will be taken from Moab City by truck to the

Gulf Red Rock Project #1. Water will be used strictly for exploratory drilling.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

*Ray Klyman*

Signature of Applicant\*

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, Grand } ss  
County of.....

On the 8th day of November, 1984, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

*Alan P. ...*

Notary Public

(SEAL)

# FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost
0.0 to 0.1 .....	\$ 15.00
over 0.1 to 0.5 .....	30.00
over 0.5 to 1.0 .....	45.00
over 1.0 to 15.0 .....	45.00 plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00 foot per second.

Storage — acre-feet	
0 to 20 .....	22.50
over 20 to 500 .....	45.00
over 500 to 7500 .....	45.00 plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00 500 acre feet.

(This section is not to be filled in by applicant)

## STATE ENGINEER'S ENDORSEMENTS

1. .... Application received <sup>by mail</sup> over counter in State Engineer's office by .....
2. .... Priority of Application brought down to, on account of .....
3. .... Application fee, \$....., received by ..... Rec. No. ....
4. .... Application microfilmed by ..... Roll No. ....
5. .... Indexed by ..... Platted by .....
6. .... Application examined by .....
7. .... Application returned, ..... or corrected by office .....
8. .... Corrected Application resubmitted <sup>by mail</sup> over counter to State Engineer's office. ....
9. .... Application approved for advertisement by .....
10. .... Notice to water users prepared by .....
11. .... Publication began; was completed .....
- ..... Notice published in .....
12. .... Proof slips checked by .....
13. .... Application protested by .....
- .....
- .....
14. .... Publisher paid by M.E.V. No. ....
15. .... Hearing held by .....
16. .... Field examination by .....
17. .... Application designated for <sup>approval</sup> rejection .....
18. .... Application copied or photostated by ..... proofread by .....
19. .... Application <sup>approved</sup> rejected .....
20. Conditions:

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by .....
- c. ....

State Engineer

21. .... Time for making Proof of Appropriation extended to .....
22. .... Proof of Appropriation submitted.
23. .... Certificate of Appropriation, No. ...., issued

TEMPORARY

Application No. ....

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.

## DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31088

NAME OF COMPANY: GULF OIL COMPANYWELL NAME: RED ROCK UNIT #1SECTION NW NE 9 TOWNSHIP 28S RANGE 22E COUNTY San JuanDRILLING CONTRACTOR LofflandRIG # 29SPUDDED: DATE 12-7-84TIME 6:00 AMHOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Forrest PenningtonTELEPHONE # 255-2036 (Rig)  
(505) 393-4121 (New Mexico)DATE 12-10-84 SIGNED AS

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <u>U-34018</u>
2. NAME OF OPERATOR <u>Gulf Oil Corp.</u>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>P. O. Box 670, Hobbs, NM 88240</u>	7. UNIT AGREEMENT NAME <u>Red Rock Unit</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <u>-1185' FNL + 2129' FEL</u>	8. FARM OR LEASE NAME
14. PERMIT NO.	9. WELL NO. <u>1</u>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>5416' GL</u>	10. FIELD AND POOL, OR WILDCAT <u>Mildcat</u>
	11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA <u>Sec 9-T28S-R22E</u>
	12. COUNTY OR PARISH <u>San Juan</u>
	13. STATE <u>Utah</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) Spud & Csg

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☒

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Loffland spudded 14 3/4" hole @ 6:00 A.M., 12-7-84. TD  
524' @ 11:30 P.M., 12-8-84. RU + ran 11 jts + 1 cut jt 11 3/4" 42#  
H-40 ST+C, set @ 524'. Cmt up 375 24 Cl "H" CaCl<sub>2</sub>. Plug  
down @ 5:15 A.M., 12-9-84. Circ 115 24.

PROPRIETARY

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE AREA DRUG SUPT

DATE 12-10-84

(This space for Federal or State office use)

APPROVED BY ACCEPTED

CONDITIONS OF APPROVAL, IF ANY:

TITLE BRANCH OF FLUID MINERALS  
MOAB DISTRICT

DATE 20 DEC 1984

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME <i>Red Rock Unit</i>
2. NAME OF OPERATOR <i>Gulf Oil Corp.</i>	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR <i>P. O. Box 670, Hobbs, NM 88240</i>	9. WELL NO. <i>1</i>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) <i>At surface</i> <i>-1185' FNL + 2129' FEL</i>	10. FIELD AND POOL, OR WILDCAT <i>Wildcat</i>
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <i>Sec 9-T28S-R22E</i>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <i>5416' GL</i>	12. COUNTY OR PARISH <i>San Juan</i>
	13. STATE <i>Utah</i>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☒

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

*Loffland spudded 14 3/4" hole @ 6:00 A.M., 12-7-84. TD 524' @ 11:30 P.M., 12-8-84. RU + ran 11 jts + 1 cut jt 11 3/4" 42# H-40 ST+C, set @ 524'. Cmt w/ 375 sl Cl "H" CaCl2. Plug down @ 5:15 A.M., 12-9-84. Circ 115 sl.*

18. I hereby certify that the foregoing is true and correct

SIGNED

*J. Matthews*

TITLE

*AREA DRILLG SUPT*

DATE

*12-10-84*

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <u>U-34018</u>
2. NAME OF OPERATOR <u>Gulf Oil Corp.</u>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>P. O. Box 670, Hobbs, NM 88240</u>	7. UNIT AGREEMENT NAME <u>Red Rock Unit</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>1185' FNL + 2129' FEL</u>	8. FARM OR LEASE NAME
14. PERMIT NO.	9. WELL NO. <u>1</u>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>5416' GL</u>	10. FIELD AND POOL, OR WILDCAT <u>Mildcat</u>
	11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA <u>Sec 9, T28S-R22E</u>
	12. COUNTY OR PARISH <u>San Juan</u>
	13. STATE <u>Utah</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Casing

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ID 3050' @ 5:00 A.M., 12-17-84. Log. RU ran 74 jts + 1 cut  
jt 87/8" 32# K-55 ST+C, set @ 3049'. Cmt. u/580 su CL "H"  
GM + 200 su CL "H." Plug dn @ 12:15 P.M., 12-18-84. Circ  
55 sd. Ist csg 1080 psi. Drl cmt.

18. I hereby certify that the foregoing is true and correct

SIGNED K. J. Matthews

TITLE AREA DRUG SUPT

DATE 1-8-85

(This space for Federal or State office use)

APPROVED BY ACCEPTED

CONDITIONS OF APPROVAL, IF ANY:

BRANCH OF FLUID MINERALS

MOAB DISTRICT

DATE 16 JAN 1985

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



(November 1983)  
(Formerly 96-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

U-34013

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Red Rock Unit

8. FARM OR LEASE NAME

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR B.L. AND  
SURVEY OR AREA

Sec 9 28S-22E

San Juan Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Gulf Oil Corp.

3. ADDRESS OF OPERATOR

P. O. Box 670, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

1185' FNL + 2129' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5416' GL

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

TD 7377' on 1-1-85. Ran DST's. TD 7690' @ 4:30 A.M., 1-8-85.  
Logged. Set the following plugs: 6900-6440' (120 cu),  
4600-4101' (130 cu), 3150-2950' (112 cu), 100'-0' (35 cu). Install  
dry hole marker. Location will be cleaned as  
weather permits.

18. I hereby certify that the foregoing is true and correct

SIGNED

RDPite

TITLE

AREA ENGINEER

DATE

1-16-85.

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the  
United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U-34018	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Gulf Oil Corp.		7. UNIT AGREEMENT NAME Red Rock Unit	
3. ADDRESS OF OPERATOR P.O. Box 670, Hobbs NM 88240		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1185' FNL + 2129' FEL NWNE At top prod. interval reported below At total depth		9. WELL NO. 1	
14. PERMIT NO. 43-037-31088		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED 10-18-84		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 9 285 22E	
15. DATE SPUDDED 12-7-84	16. DATE T.D. REACHED 1-5-85	17. DATE COMPL. (Ready to prod.) Dry	18. ELEVATIONS (DF, RKB, RT, GR, ETC)* 5416' GL
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD 7690'	21. PLUG, BACK T.D., MD & TVD -	22. IF MULTIPLE COMPL., HOW MANY? 1 + A
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dry	25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE LOGS RUN GR/EDT/CNL/DLL/MSE/LRHO			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
11 3/4"	42#	524'	14 3/4"
8 5/8"	32#	3049'	11"
CEMENTING RECORD		AMOUNT PULLED	
375 cu - CONC.			
780 cu - CONC.			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)		
	None		
31. PERFORATION RECORD (Interval, size and number) None			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
None			
33. PRODUCTION			
DATE FIRST PRODUCTION Dry	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) P + A		WELL STATUS (Producing or shut-in) P + A
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Dry			TEST WITNESSED BY
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED R D Prite		TITLE AREA ENGINEER	
		DATE 1-17-85	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form; see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mississippian	6950	7155	140 3769 FIP 3718	Chick	540	
			15 min IF 2321-2372	Thompson	882	
			60 min ISIP 2542	Cydney	1102	
			60 min FF 2421-2540	Donaker Trail	2780	
			120 min FSIP 2562	Label	3116	
			Rec. 180' salt water cut w/	U. Donay	4278	
			+ 500' black sulphur water	L. Donay	4403	
				West Chick	4540	
				T. Hunt	4566	
				W. Hunt	6787	
				Thompson	6937	
				Quay	7345	
				W. Hunt	7449	
				McCracken	7572	
				Spencer	7662	



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 25, 1985

Gulf Oil Corporation  
P O Box 670  
Hobbs, New Mexico 88240

Gentlemen:

Re: Well No. Red Rock Unit #1 - Sec. 9, T. 28S., R. 22E  
San Juan County, Utah - API #43-037-31088

Our records indicate that you have not filed drilling reports for the months of December 1984 to February 1985 on the above referred to well. Our rules and regulations stipulate that these reports be filed by the sixteenth of each month until the well is completed.

Enclosed are forms for your convenience in filing the necessary reports as soon as possible but no later than March 22, 1985.

Thank you for your cooperation in this matter.

Sincerely,

Claudia L. Jones  
Well Records Specialist

Enclosures  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File  
0087S/76